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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/937,519	03/05/2002	Guido Krupp	P-UX 4977	9641
41552	7590	12/05/2005	EXAMINER	
MCDERMOTT, WILL & EMERY 4370 LA JOLLA VILLAGE DRIVE, SUITE 700 SAN DIEGO, CA 92122			STRZELECKA, TERESA E	
			ART UNIT	PAPER NUMBER
			1637	
DATE MAILED: 12/05/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

**UNITED STATES DEPARTMENT OF COMMERCE****U.S. Patent and Trademark Office**

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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
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EXAMINER

ART UNIT

PAPER

30112005

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

1. The reply filed on September 12, 2005 is not fully responsive to the prior Office Action because of the following omission(s) or matter(s): pages 4 and 5 of the Response, which contain amendments to the specification concerning sequences, do not contain SEQ ID NOs in lines 5, 6, 14 and 17 of page 4 and on the last line of page 5. See 37 CFR 1.111. Since the above-mentioned reply appears to be bona fide, applicant is given ONE (1) MONTH or THIRTY (30) DAYS from the mailing date of this notice, whichever is longer, within which to supply the omission or correction in order to avoid abandonment. EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).

2. Enclosed is the bona fide letter, Notice to Comply and copy of the "Raw Sequence Listing Error Report" regarding sequence listing submitted by Applicants on September 12, 2005.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Teresa E. Strzelecka whose telephone number is (571) 272-0789. The examiner can normally be reached on M-F (8:30-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gary Benzion can be reached on (571) 272-0782. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TERESA STRZELECKA
PATENT EXAMINER

Teresa Strzelecka
11/30/05



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, DC 20231
www.uspto.gov

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
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EXAMINER

ART UNIT	PAPER
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30112005

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents

The communication filed September 12, 2005 is not fully responsive to the Office communication mailed March 11, 2005 for the reason(s) set forth on the attached Notice To Comply With The Sequence Rules or CRF Diskette Problem Report. Applicant must comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825) before the application can be examined under 35 U.S.C. §§ 131 and 132.

Since the reply appears to be bona fide attempt to comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825), applicant is given a TIME PERIOD of **ONE (1) MONTH** from the mailing date of this communication within which to correct the deficiency so as to comply with the sequence rules (37 CFR 1.821 - 1.825) in order to avoid abandonment of the application under 37 CFR 1.821(g). EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).

Any inquiry concerning this communication should be directed to Examiner Teresa Strzelecka, Art Unit 1637, whose telephone number is (571)-272-0789.

Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist whose telephone number is (703) 308-0196.

TERESA STRZELECKA
PATENT EXAMINER

Teresa Strzelecka
11/30/05

Notice to Comply

Application No.

09/937,519

Examiner

Teresa E. Strzelecka

Applicant(s)

KRUPP, GUIDO

Art Unit

1637

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other:

Applicant Must Provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

PatentIn Software Program Support

Technical Assistance.....703-287-0200

To Purchase PatentIn Software.....703-306-2600

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/932,519
Source: FW/6
Date Processed by STIC: 9/19/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER** **VERSION 4.2.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED


SUGGESTED CORRECTION

SERIAL NUMBER:

09/937,519

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220>
  Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/937,519

DATE: 09/19/2005

TIME: 10:23:32

Input Set : A:\66741-013; seq. listing

Output Set: N:\CRF4\09192005\I937519.raw

2 <110> APPLICANT: Krupp, Guido
 4 <120> TITLE OF INVENTION: Detection of nucleic acid amplified products
 6 <130> FILE REFERENCE: 66741-013
 8 <140> CURRENT APPLICATION NUMBER: 09/937,519
 9 <141> CURRENT FILING DATE: 2002-03-05
 11 <150> PRIOR APPLICATION NUMBER: PCT/EP99/07127
 12 <151> PRIOR FILING DATE: 1999-09-27
 14 <150> PRIOR APPLICATION NUMBER: DE 199 15 141.5
 15 <151> PRIOR FILING DATE: 1999-03-26
 17 <160> NUMBER OF SEQ ID NOS: 202
 19 <170> SOFTWARE: PatentIn Ver. 2.1
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 4
 23 <212> TYPE: DNA
 24 <213> ORGANISM: artificial sequence
 26 <220> FEATURE:
 28 <220> FEATURE: *delete extra <220> (global error)*
 29 <223> OTHER INFORMATION: Description of the molecule of DNA/RNA combination:
 30 artificial DNA sequence
 32 <220> FEATURE:
 33 <223> OTHER INFORMATION: Description of the artificial sequence: artificial
 34 RNA sequence
 36 <400> SEQUENCE: 1
 37 gaaa
 40 <210> SEQ ID NO: 2
 41 <211> LENGTH: 7
 42 <212> TYPE: DNA
 43 <213> ORGANISM: artificial sequence
 45 <220> FEATURE:
 47 <220> FEATURE: *delete*
 48 <223> OTHER INFORMATION: Description of the artificial sequence: artificial
 49 RNA sequence
 51 <400> SEQUENCE: 2
 52 cugagga
 55 <210> SEQ ID NO: 3
 56 <211> LENGTH: 14
 57 <212> TYPE: DNA
 58 <213> ORGANISM: artificial sequence
 60 <220> FEATURE:
 62 <220> FEATURE:
 63 <223> OTHER INFORMATION: Description of the artificial sequence: artificial
 64 DNA sequence
 66 <400> SEQUENCE: 3

pp 1-7
 Does Not Comply
 Corrected Diskette Needed

*insufficient
 explanation -
 give source
 of genetic
 material
 (see item 11
 on Error
 summary
 sheet)*

*This is also a
 combined DNA/RNA sequence*

W--> *pls need explanation (see p. 7)*

insufficient

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/937,519

DATE: 09/19/2005

TIME: 10:23:32

Input Set : A:\66741-013; seq. listing

Output Set: N:\CRF4\09192005\I937519.raw

67 tccgagccgg wogr 14

70 <210> SEQ ID NO: 4

71 <211> LENGTH: 16

72 <212> TYPE: DNA

73 <213> ORGANISM: artificial sequence

75 <220> FEATURE:

77 <220> FEATURE: *Insufficient*

78 <223> OTHER INFORMATION: Description of the artificial sequence: artificial

79 DNA sequence

81 <400> SEQUENCE: 4

82 rggctagcha caacga 16

85 <210> SEQ ID NO: 5

86 <211> LENGTH: 13

87 <212> TYPE: DNA

88 <213> ORGANISM: artificial sequence

90 <220> FEATURE:

92 <220> FEATURE: *also combined DNA/RNA*

93 <223> OTHER INFORMATION: Description of the artificial sequence: artificial *Insufficient*

94 RNA sequence

96 <400> SEQUENCE: 5

97 ggaaucgaaa cgc 13

100 <210> SEQ ID NO: 6

101 <211> LENGTH: 32

102 <212> TYPE: DNA

103 <213> ORGANISM: artificial sequence

105 <220> FEATURE:

106 <221> NAME/KEY: modified base

107 <222> LOCATION: (24). (25) (24)

108 <223> OTHER INFORMATION: modified nucleotide at position 24: *Keep this, but explain*

109 Pyridin-4-one (cf. Burgin et al., 1996)

111 <220> FEATURE:

112 <223> OTHER INFORMATION: Description of the artificial sequence: artificial *source of genetic material on another <223> line*

113 RNA/DNA sequence

115 <220> FEATURE:

116 <221> NAME/KEY: modified base

117 <222> LOCATION: (27). (28) (27)

118 <223> OTHER INFORMATION: modified nucleotide at position 27: *why isn't this "n" too? (see "n" at location 24 is the same modified nucleotide)*

119 Pyridin-4-one (cf. Burgin et al., 1996)

121 <400> SEQUENCE: 6

W--> 122 gcgtctagcg gaaacgtac tgangagatt cc 32

125 <210> SEQ ID NO: 7

126 <211> LENGTH: 22

127 <212> TYPE: DNA

128 <213> ORGANISM: artificial sequence

130 <220> FEATURE:

132 <220> FEATURE: *this is also a combined DNA/RNA*

133 <223> OTHER INFORMATION: Description of the artificial sequence: artificial *Insufficient*

134 RNA sequence

136 <400> SEQUENCE: 7

RAW SEQUENCE LISTING

DATE: 09/19/2005

PATENT APPLICATION: US/09/937,519

TIME: 10:23:32

Input Set : A:\66741-013; seq. listing

Output Set: N:\CRF4\09192005\I937519.raw

137 gcagcuaugg aaayguuaaa ag 22
 140 <210> SEQ ID NO: 8
 141 <211> LENGTH: 40
 142 <212> TYPE: DNA
 143 <213> ORGANISM: artificial sequence
 145 <220> FEATURE:
 147 ~~<220> FEATURE:~~
 148 <223> OTHER INFORMATION: Description of the artificial sequence: artificial
 149 RNA/DNA sequence
 151 <220> FEATURE:
 152 <221> NAME/KEY: modified base
 153 <222> LOCATION: (29). (30) (29)
 154 <223> OTHER INFORMATION: modified nucleotide at position 29:
 155 Pyridin-4-one (cf. Burgin et al., 1996)
 157 <400> SEQUENCE: 8
 W--> 158 ttttaacruc tagcggaac gctactgang acatagctgc 40
 161 <210> SEQ ID NO: 9
 162 <211> LENGTH: 54
 163 <212> TYPE: DNA
 164 <213> ORGANISM: artificial sequence
 166 <220> FEATURE:
 168 ~~<220> FEATURE:~~
 169 <223> OTHER INFORMATION: Description of the artificial sequence: primer
 171 <400> SEQUENCE: 9
 172 aattctaata cgactcacta taggggtgcta tgtcacttcc ccttggttct ctca 54
 175 <210> SEQ ID NO: 10
 176 <211> LENGTH: 46
 177 <212> TYPE: DNA
 178 <213> ORGANISM: artificial sequence
 180 <220> FEATURE:
 182 ~~<220> FEATURE:~~
 183 <223> OTHER INFORMATION: Description of the artificial sequence: primer
 185 <400> SEQUENCE: 10
 186 gaatctcatc agtagcgagt ggggggacat caagcagcca tgcaaa 46
 189 <210> SEQ ID NO: 11
 190 <211> LENGTH: 28
 191 <212> TYPE: DNA
 192 <213> ORGANISM: artificial sequence
 194 <220> FEATURE:
 196 ~~<220> FEATURE:~~
 197 <223> OTHER INFORMATION: Description of the artificial sequence: (artificial) RNA sequence insufficient
 198 RNA sequence
 200 <400> SEQUENCE: 11
 201 tgaaucaaaa cgcgaaagcg ucuagcgu 28
 204 <210> SEQ ID NO: 12
 205 <211> LENGTH: 46
 206 <212> TYPE: DNA
 207 <213> ORGANISM: artificial sequence
 209 <220> FEATURE:

also, give source of Artificial Sequence
on another <223> line

also, this is a combined DNA/RNA

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/937,519

DATE: 09/19/2005

TIME: 10:23:32

Input Set : A:\66741-013; seq. listing

Output Set: N:\CRF4\09192005\I937519.raw

211 ~~<220>~~ FEATURE:
 212 ~~<223>~~ OTHER INFORMATION: Description of the artificial sequence: primer
 214 <400> SEQUENCE: 12
 215 gaatctcatc agtagcgagt ggggggacat caagcagcca tgcaaa 46
 218 <210> SEQ ID NO: 13
 219 <211> LENGTH: 15
 220 <212> TYPE: DNA
 221 <213> ORGANISM: artificial sequence
 223 ~~<220>~~ FEATURE:
 225 ~~<220>~~ FEATURE:
 226 ~~<223>~~ OTHER INFORMATION: Description of the artificial sequence: ~~artificial~~ *also this is a combined DNA/RNA*
 227 ~~RNA sequence~~ *insufficient*
 229 <400> SEQUENCE: 13
 230 tacguagucc gugcu 15
 233 <210> SEQ ID NO: 14
 234 <211> LENGTH: 13
 235 <212> TYPE: DNA
 236 <213> ORGANISM: artificial sequence
 238 ~~<220>~~ FEATURE:
 240 ~~<220>~~ FEATURE:
 241 ~~<223>~~ OTHER INFORMATION: Description of the artificial sequence: primer
 243 <400> SEQUENCE: 14
 244 gcgtttcgat tcc 13
 247 <210> SEQ ID NO: 15
 248 <211> LENGTH: 142
 249 <212> TYPE: DNA
 250 <213> ORGANISM: Human immunodeficiency virus type 1
 252 ~~<220>~~ FEATURE: *delete - no <2217, <2227, or <2237>, no <2207> is not needed*
 254 <400> SEQUENCE: 15
 255 agtgggggga catcaagcag ctatgcaaac gttaaagat actatcaatg aggaagctgc 60
 256 agaatgggac aggttacatc cagtacatgc agggcctatt ccaccaggcc agatgagaga 120
 257 accaagggga agtgacatag ca 142
 260 <210> SEQ ID NO: 16
 261 <211> LENGTH: 24
 262 <212> TYPE: DNA
 263 <213> ORGANISM: artificial sequence
 265 ~~<220>~~ FEATURE:
 267 ~~<220>~~ FEATURE:
 268 ~~<223>~~ OTHER INFORMATION: Description of the artificial sequence: ~~artificial~~ *insufficient*
 269 ~~DNA sequence~~
 271 <400> SEQUENCE: 16
 272 agcagctatg gaaaygttaa aaga 24
 275 <210> SEQ ID NO: 17
 276 <211> LENGTH: 54
 277 <212> TYPE: DNA
 278 <213> ORGANISM: artificial sequence
 280 ~~<220>~~ FEATURE:
 282 ~~<220>~~ FEATURE:
 283 <223> OTHER INFORMATION: Description of the artificial sequence: primer

RAW SEQUENCE LISTING

DATE: 09/19/2005

PATENT APPLICATION: US/09/937,519

TIME: 10:23:32

Input Set : A:\66741-013; seq. listing

Output Set: N:\CRF4\09192005\I937519.raw

285 <400> SEQUENCE: 17
 286 aattctaata cgactcacta tagggagtg ggggacatca agcagctatg gaaa 54
 289 <210> SEQ ID NO: 18
 290 <211> LENGTH: 42
 291 <212> TYPE: DNA
 292 <213> ORGANISM: artificial sequence
 294 <220> FEATURE:
 296 ~~<220> FEATURE:~~
 297 <223> OTHER INFORMATION: Description of the artificial sequence: artificial
 298 RNA sequence
 300 <400> SEQUENCE: 18
 301 gggagtg gggg ggacatcaag cagctatgga aayguuaaaa ga 42
 304 <210> SEQ ID NO: 19
 305 <211> LENGTH: 24
 306 <212> TYPE: DNA
 307 <213> ORGANISM: Escherichia coli
 309 ~~<220> FEATURE:~~ *delete*
 311 <400> SEQUENCE: 19
 312 taatgtctgg gaaactgcct gatg 24
 315 <210> SEQ ID NO: 20
 316 <211> LENGTH: 24
 317 <212> TYPE: DNA
 318 <213> ORGANISM: Escherichia coli
 320 ~~<220> FEATURE:~~
 322 <400> SEQUENCE: 20
 323 ataactactg gaaacggtag ctaa 24
 326 <210> SEQ ID NO: 21
 327 <211> LENGTH: 24
 328 <212> TYPE: DNA
 329 <213> ORGANISM: Escherichia coli
 331 ~~<220> FEATURE:~~
 333 ~~<400> SEQUENCE: 21~~
 334 agtcagatgt gaaatccccg ggct 24
 337 <210> SEQ ID NO: 22
 338 <211> LENGTH: 24
 339 <212> TYPE: DNA
 340 <213> ORGANISM: Escherichia coli
 342 ~~<220> FEATURE:~~
 344 <400> SEQUENCE: 22
 345 gtgtagcggg gaaatgcgta gaga 24
 348 <210> SEQ ID NO: 23
 349 <211> LENGTH: 24
 350 <212> TYPE: DNA
 351 <213> ORGANISM: Escherichia coli
 353 ~~<220> FEATURE:~~
 355 ~~<400> SEQUENCE: 23~~
 356 gctcaggtgc gaaagcgtgg ggag 24
 359 <210> SEQ ID NO: 24
 360 <211> LENGTH: 24

*also, this is
a combined DNA/RNA
is sufficient*

*Please correct the types of error shown
on this page, in subsequent sequences
see p. 6 for MORE error*

09/937,519

6

<210> 57
<211> 24
<212> DNA
<213> *Vibrio parahaemolyticus*

<220>

<400> 57

①nattgcattt gaaactggca gact

24

"n" needs explanation (see p. 7)

same run in seqs. 170-171, 188, 195

VARIABLE LOCATION SUMMARY

PATENT APPLICATION: US/09/937,519

DATE: 09/19/2005

TIME: 10:23:33

Input Set : A:\66741-013; seq. listing

Output Set: N:\CRF4\09192005\I937519.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:2; N Pos. 5

Seq#:6; N Pos. 24

Seq#:8; N Pos. 29

Seq#:57; N Pos. 1

Seq#:170; N Pos. 18

Seq#:171; N Pos. 19

Seq#:188; N Pos. 24

Seq#:195; N Pos. 24

These sequences lack explanation of "n"

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/937,519

DATE: 09/19/2005

TIME: 10:23:33

Input Set : A:\66741-013; seq. listing

Output Set: N:\CRF4\09192005\I937519.raw

L:52 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:2
L:52 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:2
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:730 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:57
L:730 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:57
L:730 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:57
L:730 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0
L:1973 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:170
L:1973 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:170
L:1973 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:170
L:1973 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170 after pos.:0
L:1984 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:171
L:1984 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:171
L:1984 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:171
L:1984 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:171 after pos.:0
L:2171 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:188
L:2171 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:188
L:2171 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:188
L:2171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188 after pos.:0
L:2248 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:195
L:2248 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:195
L:2248 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:195
L:2248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:0